AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1-10. (Canceled)

11. (Previously Presented) A method of testing end to end relations between an originating gateway and a destination gateway in an IP network, said method comprising the steps of:

reserving call handling resources in the originating gateway for an end to end test;

establishing a session between the originating gateway and the destination gateway;

sending a seizure signal from the originating gateway to the destination gateway, said seizure signal indicating that the end to end test is to be performed, which interface to use for the test, and a desired number of call handling resources to be used for the test;

receiving a resource ready acknowledgment signal in the originating gateway from the destination gateway, said acknowledgment signal indicating that the desired number of resources are available;

configuring the reserved call handling resources in the originating gateway with appropriate data for the test in response to the acknowledgment signal from the destination gateway;

sending a plurality of test data packets with the data for the test to the destination gateway;

distinguishing the test data packets from other data traffic in the destination gateway on the basis of the source address field in the test data packet headers;

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looping back the received test data packets from the destination gateway to the originating gateway by exchanging source and destination address fields in the packet headers of the test data packets, while sending other data traffic to defined destinations;

receiving the looped back test data packets in the originating gateway; and

calculating quality statistics for the received data packets by the originating gateway.

12.   (Previously Presented)   The method according to claim 11, further comprising specifying in the seizure signal, a time interval for performing the test.

13.   (Previously Presented)   The method according to claim 11, further comprising specifying in the seizure signal, a codec to be utilized for the test.

14.   (Previously Presented)   The method according to claim 11, wherein the step of calculating quality statistics includes calculating by the originating gateway, dropped packets, round trip delay, and jitter.

15.   (Previously Presented)   An arrangement for testing end to end relations between an originating gateway and a destination gateway in an IP network, said arrangement comprising:

means in the originating gateway for reserving call handling resources in the originating gateway for an end to end test;

means for establishing a session between the originating gateway and the destination gateway;

means in the originating gateway for sending a seizure signal from the originating gateway to the destination gateway upon establishment of the session, said seizure signal indicating that the end to end test is to be performed, which interface to use for the test, and a desired number of call handling resources to be used for the test;

means in the originating gateway for receiving a resource ready acknowledgment signal from the destination gateway, said acknowledgment signal indicating that the desired number of resources are available;

means in the originating gateway for configuring the reserved call handling resources in the originating gateway with appropriate data for the test in response to the acknowledgment signal from the destination gateway;

means in the originating gateway for sending a plurality of test data packets with the data for the test to the destination gateway;

means in the destination gateway for distinguishing the test data packets from other data traffic on the basis of the source address field in the test data packet headers;

means in the destination gateway for looping back the received test data packets to the originating gateway by exchanging source and destination address fields in the packet headers of the test data packets, while sending other data traffic to defined destinations;

means in the originating gateway for receiving the looped back test data packets; and

means in the originating gateway for calculating quality statistics for the received data packets by the originating gateway.

16.   (Previously Presented)   The arrangement according to claim 15, further comprising means in the originating gateway for specifying in the seizure signal, a time interval for performing the test.

17.   (Previously Presented)   The arrangement according to claim 15, further comprising means in the originating gateway for specifying in the seizure signal, a codec to be utilized for the test.

18.   (Previously Presented)   The arrangement according to claim 15, wherein the means in the originating gateway for calculating quality statistics includes means for calculating dropped packets, round trip delay, and jitter.